

FUVESI, Gyula

The viewpoint is identical! Radiotechnika 13 no.3:113 M-
'63.

1. "Radiotechnika" szerkesztosegenek vezetoje.

FUVESI, Gyula

We are looking with expectation for the 5th Congress of the
Hungarian Sports Federation for National Defense. Radiotechnika
13 no.5:161 My '63.

1. "Radiotechnika" szerkesztosegensz vezetoje.

FUVESI, Gyula

A nonofficial account of a visit, Radiotechnika 13 no.11:
2 of cover N '63.

1. "Radiotechnika" szerkesztosege vezetoje.

FUVESI, Gyula

Let us go forward. Radiotechnika 13 no.12:441-442 D '63.

1. "Radiotechnika" szerkesztőség vezetője.

FUVESI, Gyula

New Year's greeting. Radiotechnika 14 no.1:1 Ja '64.

1. "Radiotechnika" szerkesztosege vezetoje.

FIUVESHI, Giulia [Fuvesy, Gyula]

The new collective NA5KVV station of Hungarian radio amateurs.
Radio i televiziia 12 no. 11: 326 '63.

1. Glaven redaktor na sp. "Raditekhnika".

1977-78, Gyula

1977-78, Gyula, on the way of development. "Educativna" 11.
1977-78, Gyula.

1977-78, Gyula, "Educativna", Budapest.

FUVESI, Gyula

In the interest of future specialists. Radiotechnika 14 no. 6:
201-202 Je '64.

1. Head, Editorial office, "Radiotechnika."

FUVESI, Gyula

A sincere reply to a letter coming from abroad. Radiotechnika 14
no.7:241 J1 '64.

1. Editor, "Radiotechnika."

FUVESI, Gyula

Fighting for conquering the North Pole. Radiotechnika 14, no.8:2
of cover Ag '64.

It is not only a problem of the youth. Ibid.:281.

1. Editor, "Radiotechnika."

FUVESI, Gyula

Is it possible to increase the supply of radio parts for amateur operators? Radiotechnika 14 no.10:361-362 0 '64.

1. Editor-in-Chief, "Radiotechnika", Budapest.

FUVESI, Gyula

50 years ago. Radiotechnika 14 no.11:401 N '64.

1. Editor-in-Chief, "Radiotechnika", Budapest.

FUVESI, Gyula

Stereotechnique. Radiotechnika 5 no.5:161-162 My '65.

1. Chief editor, "Radiotechnika", Budapest.

FUVESI, Gyula

Technical literature at the Budapest International Fair.
Radiotechnika 15 no.7:241 J1 '65.

1. Editor-in-Chief, "Radiotechnika", Budapest.

FÜVESI, Jozsef, okleveles gepeszmernok

Standardization level of the Hungarian refrigerating machine industry. Szabványi közl 16 no. 6:101-104 Je '64.

1. Machine Designing Technical Office.

JUVARA, I., Conf.; FUX, I., dr.; VASILESCU, D., dr.

Clinical and therapeutic aspects of the problem of pericardial
cysts. Med. int., Cucur. 8 no.3:435-443 July 56.

1. Lucrare efectuata in Clinica a V-a Chirurgicala Spitalul
"Bernath Andrei."

(PERICARDIUM, cysts

congen. & acquired inflamm., case reports)

COUNTRY : Hungary
CATEGORY :
ABS. JOUR. : AZKhim., No. 22 1959, No. 79305
AUTHOR : Kelen, T. and Fux, L.
INST. : Not given
TITLE : The Control of the Quality of Glass by the Specific Gravity
ORIG. PUB. : Epitoanyag, 10, No 10-11, 366-369 (1958)
ABSTRACT : The authors describe an apparatus of simple design for the continuous determination of the sp gr of glass by weighing; the apparatus can be put together from materials available at any glass factory. The above-indicated method and apparatus are reliable in operation, give accurate results, and are recommended by the authors for introduction at Hungarian glass-melting plants.
From authors' summary
CARD: 1/1

FUK, L.

"The SRZ-42 trailed field chopper with a device for the harvesting of long-stalk forage crops."

p. 123 (Zemedelske Stroje) Vol. 2, no. 6, June 1957
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

FUX, L.

AGRICULTURE

PERIODICAL: ZEMEDELSKE STROJE, VOL. 2, no. 3, Mar. 1959

Fux, L. The SRZ 138, of silage harvester. p. 251.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 5,
May 1959, Unclass.

| 1ST AND 2ND LETTER | | | | | | | | | | | | | | | | | | | | | | | | | | 3RD AND 4TH LETTER | | | | | | | | | | | | | | | | | | | | | | | | | | 5TH AND 6TH LETTER | | | | | | | | | | | | | | | | | | | | | | | | | | 7TH AND 8TH LETTER | | | | | | | | | | | | | | | | | | | | | | | | | |
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| AUTHOR INDEX | | | | | | | | | | | | | | | | | | | | | | | | | | SUBJECT INDEX | | | | | | | | | | | | | | | | | | | | | | | | | | CLASSIFICATION | | | | | | | | | | | | | | | | | | | | | | | | | | CROSS REFERENCE | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p><i>R Fux, V.</i></p> <p>FUX, V. PETROGRAPHIC INVESTIGATION OF THE TRIASSIC LIMESTONES AND DOLOMITES OF PALNOCARDIO (HUNGARY). <i>Folia Geologica</i>, 4, 201-23 (1940).—Besides detailed petrographic data the chemical analyses of several samples are given: insoluble matter was 0.20 to 2.58% and Fe₂O₃ 0.04 to 1.07%. The CaO content of limestones ranged between 43.25 and 53.91%, MgO 0.44 to 3.98%. The CaO con-</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Petrographic studies in the region of Jászafő. Vilma
Fuz. Abhandl. Mineral.-Geol. Inst. St. Fuzs Univ.,
Debrecen (Hungary) No. 21, 1-37 (in German 35-7)

(1041).—Various limestones were differentiated by study
of the acid-insol. residues. Partial chem. analyses of 21
limestones are given. Michael Fleischer

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

| ASTM-SLA | | | | | | | | | | METALLURGICAL LITERATURE CLASSIFICATION | | | | | | | | | |
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A bentonitized rhyolite tuff from Budapest-Kobanya
Vilma Fux. *Földtani Közlemény* 78, 185-96 (1948). --The
tuff occurred in layers 10-15 m. thick. Two analyses are
given: 7.42 and 17.43% CaO and 12.07 and 7.70% H₂O
were found. The transformation to bentonite seems to
be imperfect; many mineral ingredients of the original tuff
are mixed with montmorillonite. The content of sub-
stances available for practical uses is relatively low. 30
István Földi
references.

FUX SZEKY, V., BARABAS, A.

"Upper Eocene Volcanic Phenomena in Dunantul." p. 217 (FOLDTANI KOZLONY. BULLETIN OF THE HUNGARIAN GEOLOGICAL SOCIETY, Vol. 83, No. 7/9, June/Sept. 1953) Budapest, Hungary

SO: Monthly List of East European Accessions, Library of Congress, Vol. 3, No. 4, April 1954. Unclassified.

FUX, V.

Information on the tertiary volcanic character of the Dunantul.

P. 63, (Foldtani Kozlony) Vol. 87, no. 1, Jan./Mar. 1957, Budapest, Hungary

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

SZ., FUX, Vilma

"Geological, petrographic, mineralogical and geochemical studies
on the Toroiaga-Baia-Borsa region." Reviewed by Vilma Sz.Fux.
Foldt kozl 93 no.2:262 Ap-Je '63.

FUXA, J.

Lubrication for glass fibers, its application and evaluation (To be contd.) P. 51, SKLAR A KERAMIK (Ministerstvo lehkeho prumyslu) Praha, Vol. 4, No. 2, Feb. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1956

FUKI, J.

Lubrication for glass fibers, application and evaluation, p. 75,
SKLAR A KERAMIK (Ministerstvo lehkého průmyslu) Praha, Vol. 4,
No. 3, Mar. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, December 1955

Z/014/62/000/003/004/004
E192/E382

AUTHOR: Fuxa, Karel

TITLE: Printed circuits in telecommunications equipment

PERIODICAL: Sdělovací technika, no. 3, 1962, 99 - 101

TEXT: The wiring of relay and selector frames in telephone exchanges is a laborious and complex process and it appears that this could be replaced by suitable printed wiring. Investigation of this problem (i.e. replacement of the bunches of wires by printed elements) was commenced at the TESLA Karlin establishment towards the end of 1960. Preliminary economic evaluation showed that by employing the printed-circuit technique a considerable reduction in materials and labour could be achieved (26% saving in man-hours and 70 km saving in wire). A printed conductor strip was developed for general use in telecommunications equipment and various samples were subjected to the following tests: preliminary values of the various parameters; dry-heat test at +60 °C for 16 hours; frost of -41 °C for 7 hours; humid heat at +50 to +30 °C for 96 hours;

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Printed circuits

Z/014/62/000/003/004/004
E192/E382

dry heat at +60 °C for 24 hours; vibration test at 25 c.p.s. ✓
at 1.25 g; impact tests at 10 g; current-load test and
functional tests. The problem of soldering the printed-
circuit strips (in particular, automatically) was also investi-
gated. It is concluded that although the present strip cannot
be regarded as the final one, there is no doubt that the
printed circuits for interconnecting exchange relays and
selectors are economically justifiable and mark a step forward
in the modern trend towards miniaturization.
There are 6 tables

Card 2/2

FUXA, Ludvik, dr.

Wages in the pharmaceutical service. Prace mzda 13 no.3:100-
103 Mr '65.

FUXOVA, E.

"Our glass at the Corning exhibition." P. 101.

SKLAR A KERAMIK. (Ministerstvo lehkého průmyslu). Praha, Czechoslovakia,
Vol. 9, No. 4, Apr. 1959.

Monthly list of East European Accessions (EFAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

FUZA, Vladimir; LEJSEK, Karel; SEFERNOVA, Zdena

Some cellular changes produced by high doses of roentgen rays. Sborn.
ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.3:361-368 '61.

1. Katedra obecne biologie; prednosta doc. MUDr. B. Hluchovsky
Katedra lekarske chemie; prednosta doc. MUDr. V. Grossmann.

(RADIATION INJURY exper) (CHROMOSOMES radiation eff)
(CELL DIVISION radiation eff)

FUZAYLOV, Yu.M.

Metabolism of antimony in children with visceral leishmaniasis treated
with solusurmin. Report No.2. Med.paraz.i paraz.bol. 33 no.4:438-443
J1-Ag '64. (MIRA 18:3)

1. Kafedra biokhimii Samarkandskogo meditsinskogo instituta i
kafedra biokhimii Andizhanskogo meditsinskogo instituta.

FUZAYLOV, Yu.M.

Effect of subtotal gastric resection on the copper metabolism
in the organism of dogs. Vop. pit. 24 no. 6:53-57 H-D '65
(MIRA 19:1)

1. Kafedra biokhimii (zav. - dotsent Yu.M. Fuzaylov) Andizhanskogo meditsinskogo instituta.

FUZESI, Z. (Budapest, XI., Budafoki u.8)

Current philosophical problems of natural sciences. Pt. 1.
Periodica polytechn electr 6 no.4:311-331 '62.

1. Physikalisches Institut, Technische Universität, Budapest.

FUZESSERTY, Bela

"Maintenance and repair of railroad vehicles" by [Dr] Gyula Keszler. Reviewed by Bela Fuzessery. Jarmu mezo gep 8 no.10:398 0 '61.

1. "Jarmuvek - Mezogazdasagi Gepek" szerkeszto bizottsagi tagja.

{KOCSIS, Istvanne; FOKY, Jozsef (Patka); FUZI, Dezso (Budapest)

Forum of innovators. Ujit lap 12 no.17:30 10 S '60.

1. Szegedi Ruhagyar ujitasi eloadoja (for Ko~~s~~sis).

FUZAYLOV, Yu. M.

USSR/Pharmacology. Pharmacognosy. Toxicology -
Chemotherapeutic Preparations.

T-9

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71916

Author : Fuzaylov, Yu.M.

Inst :

Title : The Distribution of Antimony in the Organs and Tissues
of Healthy and Leishmaniotic Dogs after the Administra-
tion of Antimony Salts.

Orig Pub : Nauch. tr. samarkandsk. gos. med. in-t, 1956, 12, 53-57

Abstract : The Antimony distribution (A) in the tissues of healthy
dogs and those with visceral Leishmaniasis was studied
after the administration of a 40% solution of antimony
salts (I) in 0.3 g/kg doses. It was shown that in the
sick dogs the retention of A in the spleen is higher
than in the healthy ones. After a single administration
of I, A is rapidly eliminated from the organism (after
24 hours the kidneys contain 0.86 mg percent; the liver,

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- 90 -

FUZAYLOV, Yu. M., Cand of Med Sci — (diss) "Metaboilism of antimony in the treatment of enteric leishmaniasis by solusurmine." Samarkand, 1957, 15 pp (Samarkand State Medical Institute), 200 copies (KL, 30-57, 113)

FUZAYLOV, Yu.M.; LEVITIN, V.Ya.

Endemic goiter in Osh Province. Probl. endok. i gorm. 6 no.6:95-
98 '60. (MIRA 14:2)

(OSH PROVINCE—GOITER)

LEVITIN, V.Ya.; FUZAYLOV, Yu.M.

Some materials for the study of endemic goiter in Andizhan Province. Med. zhur. Uzb. no.6:22-25 Je '60. (MIRA 15:2)

1. Iz kafedry patologicheskoy anatomii (zav. - dotsent P.D.Tulyaganov) i kafedry biokhimii (zav. - dotsent M.G.Mirzakarimov) Andizhanskogo gosudarstvennogo meditsinskogo instituta.
(ANDIZHAN PROVINCE GOITER)

FUZAYLOV, Yu.M., dotsent

Antimony metabolism in dogs with visceral leishmaniasis
treated with solusurmin. Med. paraz. i paraz. bol. 31
no.6:723-727 N-D '62. (MIRA 17:11)

1. Iz kafedry biokhimii (zav. - prof. L.M. Lapin) Samarkandskogo
meditsinskogo instituta i kafedry biokhimii (zav. - dotsent M.G.
Mirzokarimov) Andizhanskogo meditsinskogo instituta.

FUZEK, L.

"Rationalizing the operation of an old boiler furnace."

p. 156 (Energetika, Vol. 8, no. 4, Apr. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

FUZER, I.

"The first Hungarian ball-bearing plant is under construction." p. 555. (Termeszt es Technika, Vol. 112, no. 9, Sept 53, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Uncl

FUZES. E. 1949

(Physiol. und Allgemeines Path. Inst. U. of Debrecen)

"Cortin-Like Action of Ouabain."11."

Naunyn-Schmiedeberg's Arch. fur Experimentelle Pathol. und Pharmacol, Berlin, 1949

207/1-2(213-216)

Abst: Exc. Med. 11, Vol. 111, No. 6, p. 803

FUZESSERTY, B.

FUZESSERTY, B. The Kalaka railroad truck. p. 161.

Vol. 3, No. 6, June 1956.
JARMUVEK MEZOGAZDASAGI GEPEK
TECHNOLOGY
Budapest, Hungary

So: East European Accession, Vol. 6, No. 2, Feb. 1957

FUZESSERTY, Bela

Technical data on the "NOHAB" railroad locomotive. Jarmu
mezo gep 7 no.11:414 '60.

1. "Jarmuvek-Mezogazdasagi Gepek" szerkeszto bizottsagi
tagja.

FUZESEERY, Bela

Railroad vehicles. Jarmu mezo gep 8 no.1:11-12 Ja '61.

1. MAV muszaki fotanacsos; "Jarmuvek - Mezogazdasagi Gepok"
szerkeszto bizottsagi tagja.

FUZESSERTY, Bela

Railroad vehicles. Jarmu mezo gep 9 no.1:8 Ja '62.

1. MAV Magyar Allami Vasutak fotanacsos.

. FUZESSERTY, Bela

"Steam locomotives" by Istvan Hamori and Jeno Varga. Reviewed by
Bela Fuzessery. Jarmu mezo gep 9 no.11:435 N '62.

1. "Jarmuvek - Mezogazdasagi Gepek" szerkeszto bizottsagi tagja.

FUZESSERTY, Bela

"A Vasuti Tudomanyos Kutato Intezet Evkonyve, 1957-1960", edited by Karoly Szentgyorgyi and [Dr.] Bela Czere. Reviewed by Bela Fuzessery. Jarmu mezo gep 9 no.11:436-437 N '62.

1. "Jarmuvek - Mezogazdasagi Gepek" szerkeszto bizottsagi tagja.

FUZESSERTY, Bela

"Highway and high-speed electric vehicles" by Barabaszky-Job,
Fekete. Reviewed by Bela Fuzessery. Jarmu mezo gep 11 no.1:37
Ja'64.

1. "Jarmuvek-Mezogazdasagi Gepok" Szerkeszto bizottsagi tagja.

FUZESSERTY, Bela

Comfort requirements in high-speed passenger cars. Vasut
14 no.10:9-10 0 '64.

FUZESSERY, Bela, MAV muszaki fotanacsos

Passenger comfort requirements in high-speed railroad vehicles. Jarmu mezo gep 11 no.11:413-417 N '64.

1. Editorial board member, "Jarmuvek, Mezogazdasagi Gepek."

FUZESEERY, Bela

Remarks about Gyorgy Sostarics' article "Regulations for dimensioning railroad vehicles." Jarmu mezo gep li no.10:373 0 '64.

1. Editorial board member, "Jarmuvek, Mezogazdasagi Gepek."

FUZESSERTY, Bela

Remark about the question of raised railroad platforms.
Vasut 14 no.11:9 N '64.

S/058/62/000/004/039/150
A058/A101

AUTHOR: Füzessy, Z.

TITLE: Determination of electron density in the I atom on the basis of the statistical model of the atom

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 2, abstract 4V7
("Acta phys. Acad. scient. hung.", 1961, v. 13, no. 2, 211 - 218,
German; Russian summary)

TEXT: Electron density (D) in the I atom was determined on the basis of the statistical model of the atom. The fundamental equation of the statistical model is solved numerically taking into account Weizsäcker's correction for kinetic energy. The author gives the results of calculations of electron density for distances from the nucleus $0 \leq r \leq 7a_0$ (a_0 is the radius of the first Bohr orbit of the H atom) and carry out a comparison with electron density determined by means of the Thomas-Fermi equation (without taking the correction into account). For $0 \leq r \leq 2 - 3 \cdot a_0$ the results approximately coincide; for $r > 3a_0$, $D(r)$ determined by means of solution of the Thomas-Fermi equation is appreciably greater

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Determination of...

S/058/62/000/004/039/160
A058/A101

than it is when Weizsäcker's correction is taken into account. It is shown that for great r the solution of the fundamental equation of the statistical model has the form of a diminishing exponent.

Ye. Pshenichnov

[Abstracter's note: Complete translation]

Card 2/2

FUZHENKO, N. V.

"Vitamin A in the Blood of Premature Babies," V. 16, No. 5, ~~1947~~ 1948.
Vop.FPed. 1. Okhran. Mater. 1. Det.

Biochemistry of Growth, Republic Sci. Res. Pediatrics Inst., Leningrad.

FURSENECHVA, A.V., ARBUZOV, B.A., VINOGRADOVA, V.S., TOLSTACHOVA, T.G. (Chair of Organic Chemistry and NII of Chemistry im. A.M. Butlerov of Kazan State University im. V.L. Ulyanov-Lenin)

"Intermediate Products by the Arbuzov Rearrangement" (Promezhutochnyye produkty pri peregrupirovke Arbuzova)

Chemistry and Uses of Organophosphorous Compounds
(Khimiya i primeneniye fosfororganicheskikh soedneniy),
Trudy of First Conference, 8-10 December 1955, Kazan,
pp. Published by Kazan Affil. AS USSR, 1957
62-75,

Report discussed by: B.Ya. Teytel'baum (Chem. Inst. im Acad. A.Ye. Arbuzov, Kazan Aff. AS USSR), M.I. Kabachnik (Inst. elementary Organic Compounds AS USSR), and V.S. Abramov (Kazan Chem. Technological Inst. Im. S.M. Kirov). Experiments mentioned by V.S. Abramov were conducted by A.I. Bol'shakova.

FUZHENKOVA, A.V.

AUTHOR:

ARBUZOV, B.A., FUZHENKOVA, A.V.

20-6-23/59

TITLE:

Interaction between Phosphorus Ethers and Alkyl Halides Studied by means of Physical-Chemical Analysis. (Izucheniye vzaimodeystviya efirov fosforistoy kisloty s galoidnymi alkilami metodami fiziki-khimicheskogo analiza, Russian)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 6, pp 1269-1271 (U.S.S.R.)

ABSTRACT:

The rearrangement mechanism by A.Ye.ARBUZOV has already been studied since 50 years. According to his opinion the rearrangement of phosphites into ethers of the alkylphosphin acids are an intermediate stage, on which occasion an intermediate product of the phosphonium type develops. This is experimentally proved for aromatic phosphites. According to one opinion such intermediate products collapse immediately and automatically. Some scientists, however, maintain that the rearrangement in question can occur according to another mechanism without affixing the alkyl halide to the phosphite. Here results are described which were obtained on the occasion of the investigation of ARBUSOV's rearrangement by means of the physical-chemical analysis method. The main task was to show the possibility as to how the diagram composition-property can be used for the study of the problem of the formation of an intermediate product. The interaction between triethylphosphite

Card 1/2

Interaction between Phosphorus Ethers and Alkyl Halides Studied by means of Physical-Chemical Analysis. 20-6-22/59

and iodine-ethyl and bromine-ethyl as well as with dibromineethyl-ether, furthermore of the interaction between triphenylphosphite and iodine-methyl and -ethyl was investigated at various temperatures. Illustrations 1 and 2 show the results of the measurements of the constants at these temperatures. The isotherms on this illustration reflect the chemical interaction between the components but they do not make it possible to draw conclusions concerning the formation or lacking of the intermediate product. Apparently the composition of the system is more complicated and the intermediate product collapses partly in alkyl halide and in an ether of the phosphin acid. In the case of the system triethylphosphite- α , β -dibrominediethylether, the results of the diagram composition-property confirm the chemical interaction in the system and, together with the data of V.S.ABRAMOV, give proof of the formation of an affix-intermediate product in the process of the rearrangement of triethylphosphite into ethoxybrominephosphinacid. (4 Illustrations, 2 Slavic references)

ASSOCIATION: Kazan State University "V.I.UL'YANOV-LENIN".
PRESENTED BY:
SUBMITTED: 18.12.1956
AVAILABLE: Library of Congress
Card 2/2

AUTHOR ARBUZOV, B.A., FUZHENKOVA, A.V. 20-1-24/64
TITLE The Investigation of the Re-Grouping according to A.Ie.
ARBUZOV by the Thermographic Method.
(Izucheniye peregruppirovki A.Ye. Arbuzova metodom termografii.-
Russian)
PERIODICAL Doklady Akademii Nauk SSSR 1957, Vol 114, Nr 1, pp 89-92,p
(U.S.S.R.)
ABSTRACT Arbuzov, who discovered the re-grouping of phosphorus ethers, as
well as of the ethers of alkyl phosphine acids under the in-
fluence of haloid alkyls assumed that regrouping takes place
by the formation of the intermediate product by the coupling
of the haloid alkyl to the trivalent phosphorus. For aromatic
phosphites the formation of the intermediate product by
separation was proved. For aliphatic phosphites a separation
of the intermediate products is not possible (apparently be-
cause they do not keep). The results obtained by ARBUZOV when
investigating re-grouping by the thermographic method are des-
cribed. By this method it is possible, without difficulties,
to prove the development of processes occurring as a result
of liberation and absorption of heat. In order to check the
possibilities offered by the thermographic method thermograms

CARD 1/2

20-1-24/64
The Investigation of the Re-Grouping according to A.M.
ABRUZOV by the Thermographic Method.

of the system triphenyl-phosphine- iodomethane were made. The
thermographic method shows the formation of intermediate pro-
ducts on the occasion of re-grouping (according to ARBUZOV).
This applies not only in the case of aromatic phosphites but
also aliphatic ethers of phosphoric acid.
(With 4 tables and drawings)

ASSOCIATION: not given.

PRESENTED BY: -

SUBMITTED: -

AVAILABLE: Library of Congress.

CARD 2/2

FUZHENKOVA, A. V.: Master Chem Sci (diss) -- "A study of A. Ye. Arbuzov's re-grouping by methods of physicochemical analysis and thermography". Kazan', 1958. 17 pp (Min Higher Educ USSR, Kazan' Order of Labor Red Banner State University V. I. Ul'yanov-Lenin), 150 copies (KL, No 11, 1959, 116)

FUZI, Erno; LAJTAI, Istvan

Foreign-made machine tools at the Budapest Industry Fair. Gep
14 no.10:365-376 0 '62.

1. Szerszámgepfélesztő Intézet (for Fuzi). 2 Csepeli
Szerszámgyár, és "Gep" szerkesztő bizottsági tagja (for Lajtai).

FUZI, Erno.

Machine tools at the 1962 Budapest Industrial Fair.
Gep 14 no.5:161-166 My '62.

1. Szerszámgepfjlesztő Intézet.

SCHWABE, Helmut; FUZI, Erno [translator]

Automatic workpiece handling on lathes and other machine tools.
Gep 15 no.5:195-200 My '63.

1. Karl-Marx-Stadt-i Institut fur Werkzeugmaschinen osztaly-
vezetoje, Nemzet Demokratikus Koztarsasag.

FUZI, I.

COUNTRY : Ukraine
 CATEGORY : Medicinal Plants, Medicinal. Chemical Cell-
 Growing. Toxins.
 U.S. CONTR. : RSHMol., No. 4, 1959, No. 15349
 AUTHOR : Koz, M.; Kovalenko, V.; Pliuskina, I.; Fuzi, I.
 TITLE : --
 SUBJ : Change in Arbutin Content in the Species
 Arctostaphylos uva ursi (L.Spr.) in the Period
 of Development and Depending on Environment Factors
 OPIC. No. : Bot. med. (RSH), 1956, 2, No.1, 40-43
 ABSTRACT : No abstract

Card:

1/1

163

FC 21
SURNAME, Given Names

Country: Rumania

Academic Degrees:

Affiliation: *)

Source: Bucharest, Farmacia, Vol IX, No. 8, Aug 1961, pp 505-511.

Data: "Contributions to the Knowledge of Abbutin Content in the Indigenous
Polium vitis idaeae."

RACS, G., -Pharmacist.-

RUZI, I., -Pharmacist.-

KISGYORGY, Z., -Pharmacist.-

ILIES, G., -Pharmacist.-

*) Work performed at the Botanical Laboratory of the Faculty of
Pharmacy (Laboratorul de Botanica al Facultatii de Farmacie),
Tg. Mures.

670 981643

FUZI, I

SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

Source: Bucharest, Farmacia, Vol IX, No 10, Oct 1961, pp 681-683.

Data: "Marketing Possibilities of Red Pepper Oil (Oleum capsici e seminibus)."

Authors:

CSEDO, C., -Pharmacist.-

BUCUR, Maria, -Pharmacist.-

FUZI, I., -Pharmacist.-

FUZI M. A Budapesti Tudományegyetem Kósegeszségtani Intézetéből. A leptospiras eredetű 'meningitis serosakról' 'Serous meningitis' of leptospiral aetiology Orvosi Hetilap, Budapest 1949, 90/26 (810-815)

The variability of the clinical symptoms and the lack of adequate laboratory facilities hamper the recognition of cases. The increasing number of verified leptospiral infections show that the involvement of the nervous system is not a rare complication, but a common feature of the infection. Sometimes only a mild nuchal rigidity may be observed, in other cases the symptoms and signs of meningoencephalitis, meningomyelitis or polyradiculitis are prominent, simulating neurotropic virus infections.

Author (XX,8)

So: Neurology & Psychiatry Section VIII Vol. 3, No. 7-12

VERES, J.; ALFOLDY, Z.; FUZI, M.

Leptospirosis epidemic in a district of Hungary in the summer of 1951.
Orv. hetil. 93 no. 32:921-923 10 Aug 1952. (CML 23:5)

1. Doctors. 2. Internal Diseases Department (Head Physician -- Dr. Janos Veres), Kapuvar District General Hospital and Institute of Microbiology (Director -- Prof. Dr. Zoltan Alföldy), Budapest Medical University.

FUZI M.

FEJER, Imre, dr.; FUZI, Miklos, dr.; ALFOLDY, Zoltan, dr.; KISZEL,
Janos, dr.

Leptospirosis epidemic in Ujkigyos (Komit, Bekes) in the summer of
1952. Orv. hetil. 95 no.24:665-669 13 June 54.

1. A Bekescsabai Varosi Korhas (igazgato: Budicsky Janos dr.)
Belgyogyasszati Osztalyanak (foorvos: Fejer Imre dr.) es a Budapesti
Orvostudomanyi Egyetem Mikrobiologiai Intezetének (igazgato: Alföldy
Zoltan dr.) közleménye
(LEPTOSPIROSIS, epidemiology
Hungary, 1952 in summer)

FUZI, Miklos, dr.; ALFOLDY, Zoltan, dr.; KISZEL, Janos, dr.; VERES, Janos, dr.

The appearance of a Leptospira species of a new type in the territory West of Danube. Orv. hetil. 96 no.33:902-904 Aug 55.

1. A Budapesti Orvostudományi Egyetem Mikrobiológiai Intézetének (igazgató: Alföldy Zoltán dr.) és a Kapuvári Járási Tanács Korháza Belgyógyászati Osztályának (osztályvezető főorvos: Veres János dr.) közleménye.

(LEPTOSPIRA

TRK new type from child in W. Hungary, transmitted by swine (Hun))

KELETI, Bela, dr.; ~~FIZI, Mihaly~~, dr.; ALFOLDY, Zoltan, dr.; KISZEL, Janos, dr.;
MARKOVITS, Gyorgy, dr.

Explosive leptospirosis in the northern mountainous region,
caused by swimming pool water. Orv. hetil. 97 no.37:1014-1018
9 Sept 56.

1. A Magyar Nephadsereg Egyszsegugyi Szolgalata es a Budapesti
Orvostudomanyi Egyetem Mikrobiologiai Intezetének (igazgato:
Alfoldy, Zoltan, dr. egyet. tanar.) kozlomenye.

(LEPTOSPIROSIS, epidemiol.

leptospiromeningitis, epidemic in Hungary in army camp
caused by infected swimming pool water (Hun))

(MENINGITIS, etiol. & pathogen.

Leptospira, epidemic in Hungary in army camp caused by
infected swimming pool water (Hun))

(ARMED FORCES PERSONNEL, dis.

leptospiromeningitis, epidemic in Hungary in army camp
caused by infected swimming pool water (Hun))

EXCERPTA MEDICA Sec 17 Vol 5/4 Public Health Apr 59

1229. THE LEPTOSPIRAL INFECTION OF DOGS IN BUDAPEST - Kutyák leptospirális fertőzőtsége Budapesten - Füzi M. and Kiszél J. Orvostud. Egyet. Mikrobiol. Intéz., Budapest - EGÉSZSÉGTUDOMÁNY 1957, 1/3 (181-184) Tables 1

In 1955 the sera of 104 dogs were examined with agglutination lysis-test to which the following leptospira types were used: *L. grippo-typhosa*, *L. canicola*, *L. ictero-haemorrhagiae*, *L. hebdomadis*, *L. sejroe*, *L. pomona*, *L. mitis*, *L. bataviae*, *L. australis-A*, *L. australis-B*, *L. ballum*. Positive results were gained altogether in 21 cases (21.1%); the canicola infection occurred in most of the cases (16), but *sejroe* (3) and *pomona* (2) positivity occurred as well. Despite the canicola infection of dogs, there was no human canicola-fever in the capital, though in the country cases are not rare. The characteristic rural localization of the human canicola infections can be explained by the fact that in the country the spreading

1229

role of domestic animals (pigs, cattle, horses) must be taken into account and the environmental conditions are also more favourable for the spread of the infection.

FUZI, M., ALFOLDY, Z.; KISZEL, J.; RADITZ, I.

Leptospira infection of field rodents in a part of Western Hungary. Acta microb. hung. 4 no.2:155-156 1957.

1. Mikrobiologisches Institut der Medizinischen Universitat, Budapest.

(LEPTOSPIROSIS, epidemiol.

in Hungary, etiol. role of infect. in field rodents in an epidemic (Ger))

(RODENTS, dis.

leptospirosis in field rodents, etiol. role in an epidemic in Hungary (Ger))

ALFOLDY, Z.
KISZKEL, J.; ALFOLDY, Z.; FUZI, M.

Leptospira infection of field rodents in a community in Southern Hungary. Acta microb. hung. 4 no.2:167-173 1957.

1. Mikrobiologisches Institut der Medizinischen Universitat, Budapest.

(LEPTOSPIROSIS, epidemiol.

in Hungary, etiol. role of infect. in field rodents in an epidemic (Ger))

(RODENTS, dis.

leptospirosis in field rodents, etiol. role in an epidemic in Hungary (Ger))

FUZI, M.

KISZEL, J.; FUZI, M.

Examination of domestic animals affected by *Leptospira* in a South-Hungarian community. Acta microb. hung. 4 no.4:377-389 1957.

1. Mikrobiologisches Institut der Medizinischen Universität, Budapest.
(LEPTOSPIROSIS, epidemiol
in Hungary, etiol. role of infect. of domestic animals
in human epidemic (Ger))

EXCERPTA MEDICA Sec 17 Vol 5/8 Public Health Aug 59

2402. LEPTOSPIRA INFECTION OF DOGS IN BUDAPEST - Die Leptospiren-
infektion der Hunde in Budapest - Füzi M. and Kiszeli J. Mikrobiol.
Inst., Med. Univ., Budapest - ACTA MICROBIOL. ACAD. SCI. HUNG. 1958,
5/1 (53-57) Tables 1

A serological survey of 104 dogs in Budapest was performed. Among the test ani-
mals, 21.1% were found to have undergone leptospirosis; most of the positive ani-
mals exhibited antibodies to *L. canicola*, while only 2 and 3 cases respectively of
L. pomona and *L. sejroe* were found. In contrast to the country towns and villages
where the incidence of leptospirosis in dogs is similar, no cases in man have been
reported in the capital up to now.

Koch - Budapest

EXCERPTA MEDICA Sec 17 Vol 5/4 Public Health Apr 59

1226. THE INCIDENCE OF LEPTOSPIROSES IN 1954 - Leptospirozisok előfordulása az 1954. évben - Földi M., Alföldy Z. and Kiszél J.
Budapesti Orvostud. Egyet. Mikrobiol. Intézet. Közl., Budapest - ORV.
HETIL. 1958, 99/13 (419-423) Tables 3

137 cases were registered in Hungary, caused by various strains. Besides *L. grippotyphosa*, *L. pomona*, *L. canicola*, *L. icterohaemorrhagiae* and the *hebdomadis* group, all previously known to occur, 2 strains new for Hungary were isolated (*L. mitis* and *L. bataviae*). *L. pomona* was most common (69%). The distribution over the country is described and obligatory reporting proposed.

FÜZI Miklos, Dr.; ALFOLDY, Zoltan, Dr.; KISZEL, Janos. Dr.; NYERGES, Gabor, Dr.

Case of leptospirosis in 1955-56. Orv. hetil. 100 no. 47:1688-1692
Nov. 59.

1. A Budapesti Orvostudományi Egyetem Mikrobiológiai Intézetének
(igazgató: Alföldy Zoltán dr. egyetemi tanár) közleménye
(LEPTOSPIROSIS, epidemiol.)

FUZI, Miklos (Hogyes Endre u.7-9, Budapest, IX); KISZEL, Janos (Tuzolto
u,7, Budapest IX)

Leptospirosis studies in the Tapio region. Acta microbiol Hung 7
no.4:383-390 '60. (EEAI 10:5)

1. Institute of Microbiology, Medical School (for Fuzi). 2.
Department of Pediatrics, University Medical School (for Kisel)
(HUNGARY--LEPTOSPIROSIS)

FUZI, Miklos, dr.; KISZEL, Janos, dr.

Investigation of leptospirosis in the Tapio region. Nepegeszssegugy 42
no.6:184-188 Je '61.

1. Kozlemeny a Budapesti Orvostudomanyi Egyetem Mikrobiologiai Inteze-
tebol (igazgato: Alföldy Zoltan dr. egyetemi tanar)

(LEPTOSPIROSIS epidemiol)

KEREKES, Erno, dr.; ZULIK, Robert, dr.; FUZI, Miklos, dr.; CSOKA, Rozsa, dr.

Occurrence of Weil's disease in personnel caring for laboratory animals. Orv. hetil. 102 no.27:1278-1281 2 Je '61.

1. Budapesti Orvostudományi Egyetem, III sz. Belklinika és Mikrobiológiai Intézet.

(WEIL'S DISEASE statist)
(OCCUPATIONAL DISEASES statist)
(ANIMALS, LABORATORY)

FUZI, M.; KISZEL, J.

Leptospirosis epidemic in a west Hungarian community. Acta microbiol.
Hung. 9 no.2:167-173 '62.

1. Mikrobiologisches Institut der Medizinischen Universitat, Budapest
(Direktor: Z. Alföldy).

(LEPTOSPIROSIS)

(RUCOR)

FUKU, M., of the Institute of Microbiology (Director: ALFOLDY, M.)
of the University Medical School, Budapest [original version not given].

"An Outbreak Due to Leptospira Poi in West Hungary"

Budapest, Acta Microbiologica, Vol 9, No 3, 1962: pp 265-272.

Abstract [English article; author's English summary]: In summer 1955, infections caused by *L. poi* were observed in a settlement of West Hungary. Seven cases occurred among field workers, who had previously been engaged in mowing and hay collecting. The cases showed the classical pattern of mild leptospirosis but in one case severe jaundice and in the most slight icteric symptoms were present. After prolonged convalescence all patients recovered without sequelae. The sources of infection were studied by serological screening of the domestic animals in the village and in the surroundings. The sera of 10 horses, 20 cattle and 51 pigs were examined by the agglutination-lysis test, using 12 serotypes as antigens. Positive results with *L. poi* occurred mainly in horses (3 percent), less frequently in cattle and pigs (1.2% and 2.4

1/2

SUMMARY

Budapest, Acta Microbiologica, Vol 9, No 3, 1962: pp 265-277.

percent, respectively). In the horses the distribution of positive seroreactions for other leptospirae was as follows. *L. sejroe* 13.3 percent, *L. pomona* 13.6 percent, *L. grippityphosa* 0.0 percent, *L. canicola* 4.5 percent, *L. icterohaemorrhagiae* 0.15 percent, *L. ballum* 1.5 percent, *L. hyos* 1.5 percent. The percentages in cattle were 7.5 for *L. pomona*, 6.25 for *L. sejroe*, 6.25 for *L. icterohaemorrhagiae*, 6.25 for *L. ballum*, 2.5 for *L. hyos* and 2.5 for *L. australis*; in pigs 44 for *L. pomona*, 34 for *L. hyos*, 3 for *L. canicola*, 3 for *L. sejroe* and 2 for *L. grippityphosa*. --- Epidemiological data and laboratory findings have suggested that rodents and small mammals as the probable sources of the human infections. [30 references, of which about 10 Eastern].

2/2

FUZI, M., and CSOKA, R., of the Institute of Microbiology (Director: Z. ALFOLDY) of the University Medical School, Budapest [Original version not given].

"Studies on Leptospirosis in Laboratory Albino Rat Colonies"

Budapest, Acta Microbiologica Academiae Scientiarum Hungaricae, Vol 9, No 4, 1962/63: pp 355-364.

Abstract [Article in English; authors' English summary]: The occurrence of leptospirosis has been studied in 1959/60 in albino rat colonies of two experimental institutes in Budapest, where previously cases of Weil's disease has been observed. Both colonies proved to be infected with the same serotype which on the basis of cross-absorption studies may be regarded as a new member of the icterohaemorrhagiae sero-group. For the designation of this new serotype, the name *L. budapest* is suggested. The colonies exhibited a high degree -53 and 78%, respectively- of seropositivity with the local strain. The incidence of positive seroreactions increased with age and was more common in females than in males. Positive reactors harbored leptospirae in the kidneys and occasionally in the liver. As *L.*

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HUNGARY

FUZI, Miklos, CSOKA, Rozsa; Medical University, Institute of Microbiology (Orvostudományi Egyetem Mikrobiológiai Intézete), Budapest.

"Studies of a Strain of Leptospira Isolated from a Case of Abacterial Cystitis."

Budapest, Kiserletes Orvostudomány, Vol 15, No 2, Apr 63, pp 208-212.

Abstract: [Authors' Hungarian summary] Tests on a strain of Leptospira (*L. leeds*), isolated from a human case of abacterial cystitis showed that the strain possesses the characteristics of saprophytic leptospirae. Further tests are needed to establish what the role of this strain of organisms might have been in the case of human abacterial cystitis, but it does not appear likely that the organism could have played a primary pathogenic role. Of 21 references, 2 are Hungarian, the rest is Western.

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HUNGARY

FUZI, Miklos, PILLIS, Ivan; Medical University of Budapest, Microbiological Institute (Budapesti Orvostudományi Egyetem Mikrobiológiai Intézet).

"Polymyxin B-Containing Blood Agar for the Isolation of *Listeria monocytogenes*."

Budapest, Kiserletes Orvostudomány, Vol XV, No 3, June 1963, pp 280-283.

Abstract: [Authors' Hungarian summary] A polymyxin B- containing blood agar which contains Gram negative bacteria is described for the isolation of *Listeria monocytogenes*. Because of the varied sensitivity of *Listeria* strains to polymyxin and the occurrence of some more resistant Gram negative bacteria, the simultaneous use of 10 microgram/ml and 50 microgram/ml polymyxin B concentrations in blood agar cultures is recommended, with an optimal incubation period of 48 hours. 1 Eastern European, 17 Western references.

|1/1

FUZI, Miklos, CSOKA, Rozsa; Medical University of Budapest, Microbiological Institute (Budapesti Orvostudományi Egyetem, Mikrobiológiai Intézet).

"Copper Sulfate Test for the Differentiation of Parasitic and Saprophytic *Leptospirae*."

Budapest, Kiserletes Orvostudomány, Vol XV, No 3, June 1963, pp 269-274.

Abstract: [Authors' Hungarian summary] The authors describe a simple copper sulfate test for the differentiation between parasitic and saprophytic *leptospirae*. Saprophytic *leptospirae* are significantly more resistant to the bacteriostatic effect of copper sulfate than the parasitic strains. The experimental results indicate that *L. semaranga* and *L. andamanensis* belong to the group of saprophytic *leptospirae*. All Western references.

|1/1

FUZI, Miklos, dr.; DENES, Bertalan, dr.; SZENTGYORGYI, Zsuzsa, dr.

Sensitivity to antibiotics of Haemophilus influenzae strains.
Orv. hetil. 105 no.9:391-395 1 Mr'64.

1. Budapesti Orvostudományi Egyetem, Mikrobiológiai Intézet.

*

HUNGARY

FUZI, Miklos: Medical University of Budapest, Institute of Microbiology
(Budapesti Orvostudományi Egyetem, Mikrobiológiai Intézet).

"Vancomycin Test for the Identification of *Erysipelothrix Rhusiopathiae*."

Budapest, Kiserletes Orvostudomány, Vol XVIII, No 2, Apr 66, pages 138-141.

Abstract: [Author's Hungarian summary] On the basis of its pronounced resistance to vancomycin, *E. rhusiopathiae* can be differentiated from other Gram-positive bacteria in a simple manner. The bacterium of swine erysipelas will grow undisturbed in a blood agar plate containing 25 µg/ml vancomycinHCl while other Gram-positive bacteria will not form visible colonies. For rapid differentiation, the vancomycin-paper discs used for antibiotic resistance determinations can be used. 2 Hungarian, 14 Western references. [Manuscript received 18 May 65.]

1/1

FUZIK, N. S.

Z. I. Model', and N. S. Fuzik, "Equivalent circuit of a tube oscillator for various operating regions thereof." Scientific Session Devoted to "Radio Day", May 1958, Trudrezervizdat, Moscow, 9 Sep 58.

Use of methods to design tube oscillators based on a linear idealization of the static characteristics in the case of load varying in modulus and phase leads to very tedious computations. Hence, if the load is detuned, then the design appears to be inexact because of neglect of the voltages created by the higher harmonics in the load.

Consequently, the most convenient solution to the problem would be such as would be given a direct, although approximate, relation between the basic plate current components, at first glance, its fundamental harmonic and the effective plate load resistance. Consequently, an approximate equivalent circuit of a tube oscillator has been developed and basic relations therein have been obtained for various operating regions.

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S/194/61/000/009/050/053
D271/D302

9.327/ (1040)

AUTHOR: Fuzik, N.S.

TITLE: Calculating the anode modulation of a HF tube generator

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 9, 1961, 2, abstract 9 K6 (Nauchno-tekhn. inform. byul. Leningr. politekhn. in-t, 1960, no. 9, 12-15) ✓

TEXT: A method for calculating the modulation characteristics of anode modulation is analyzed. It is assumed that class C operational conditions of the tube are critical. For $E_a < E_{a \text{ max}}$, the amplitude of the first harmonic of anode current is determined by the formula:

$$J_{a1} = \frac{A(E_a - E'') + 1.24 E''}{R_L' + R_{oe}}$$

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Calculating the anode modulation...

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where

$$E'' = \frac{E_g - E_{go} + DE_a}{D + \mu_g}; \quad R_1'' = \frac{2}{S_k}.$$

A is a function of the parameter $x = \left(1 + \frac{R_1''}{R_{oe}}\right) \xi_{kr}$. Formula is

also given for determining the value of J_{ao} , which depends on B. The dependence of A and B on x is shown. Simple anode modulation with a fixed displacement, and double and triple anode modulations are considered. Modulation characteristics are shown as computed by derived formulae and by a grapho-analytical method. The accuracy of computation is satisfactory. 4 references. [Abstracter's note: Complete translation]

Card 2/2

FUZIK, N. S., Cand. Tech. Sci. (diss) "Investi ation of Modula-
tion by De-Phasing," Leningrad, 1961, 20 pp. (Leningrad Elec.
Engr. Inst. im Prof. M. A. Bonch-Bruevich) 200 copies (KL Supp
12-61, 275).

S/194/61/000/009/049/053
D271/D302

9,3275

AUTHOR: Gutner, B.M. and Fuzik, N.S.
TITLE: Frequency distortions in phase modulation
PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 9, 1961, 2, abstract 9 K5 (Nauchno-tekhn. in-
form. byul. Leningr. politekhn. in-t, 1960, no. 9,
16-25)

TEXT: It is pointed out that the modulation index of
phase modulation in the preliminary amplification stages does not
exceed 20 - 30°. This means that the frequency spectrum which must
be passed by the oscillating circuit does not, in practice, differ
from that of amplitude modulation, and the character of frequency
distortion will be the same as in the amplification of the modula-
ted oscillations. The position is different in the penultimate and
final stages of a transmitter. Frequency distortions in these
stages are investigated, in the case of phase modulation in under-

Card 1/2

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D271/D302

Frequency distortions...

saturated operation. An equivalent circuit of penultimate stages is formed, in which tubes are replaced by current generators. Making a number of assumptions (e.g. $D = 0$, etc) the author obtains analytical relations which make it possible to construct amplitude-frequency and phase-frequency characteristics of the apparent resistance, for various degrees of coupling between channels. It is shown that the law of amplitude and phase modulation of output voltages differs from the law of modulation of currents. Further on, frequency distortion is investigated in final power stages. It is shown that they give rise mainly to linear (amplitude-frequency and phase-frequency) distortions; furthermore, the character of these distortions differs substantially from those occurring in the amplification of modulated waves. Results of experimental checking of obtained data are given showing their good agreement with computed data. 2 references. [Abstracter's note: Complete translation]

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